

INTERAS | 6680

DIGITAL INTERCOMMUNICATION SYSTEM

#MilitaryCommunication



aselsan

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DIGITAL INTERCOMMUNICATION SYSTEM

In Armoured Vehicles (Tank/APC, Command & Control Vehicles, Surveillance Vehicles, and Reconnaissance Vehicles) clear and effective communication is essential. The Digital Intercommunication System with its Electronic Switching infrastructure provides internal communication between crew members and external communication over the radios which are connected to the system.

General Features

- System configuration may vary in terms of quantity and usage of each unit, depending on the application. The system consists of the following items:
- MB-6680 main unit (commander)
- SB-6681 system Unit (operator / gunner / team commander)
- SB-6682 system Unit (driver)
- SB-6683 system unit (external infantry)
- SB/K-6685 system unit / wireless interface unit (gunner, operator, driver)
- UB-6681 remote unit (remote infantry)
- Headset
- Handset
- Loudspeaker
- Lamp Set

Power Requirements

Input voltage	: 22 V - 33 V DC
Power consumption	: 19.2 watt (average), 48 watt (maximum) (*)

(*) The maximum power is observed when the Remote Unit is called and the Warning Lamp is lit.

Unit Interfaces

Physical connection	: Two-wire cable Communication
System units	: Digital, ISDN-U interface (2B+D)
Remote unit	: Analog, DTMF signalling

Radio Interface

Microphone line level	: Max. 100 mVrms at 100 Ohm load
Audio line level	: Max. 4 mWatt at 1000 Ohm input impedance
Control	: Control of radio's mode of operation

Control / Monitor

Function control	: Power on/off and radio transmission limitation
Network control	: Radio or intercom nets selection
External access/control	: With wired external / remote user station or wireless user station
Radio or intercom control	: Via headset / handset / external switch
Monitor	: Status of radios and user stations
Volume control	: Earphone and loudspeaker audio level adjustment

Environmental Conditions

Operating temperature	: -40 °C to +55 °C (for SK/B-6685, -20 °C to + 55°C)
Storage temperature	: -50 °C to +60 °C (for SK/B-6685, -30 °C to +60 °C)

Functional Features

- Clear and effective voice communication
- Up to 6 user stations
- Connection and control of up to 6 radios
- Digital signal processing and switching
- Two-Wire ISDN interface between user stations
- External wireless connection in the vicinity of vehicle
- Ability of connection to external field telephone or remote station
- Easy to configure pre-programmed interfaces
- User authorization and priority assignment capabilities
- Audio / visual alerts and monitoring
- Easy operation and maintenance
- Easy integration and installation
- Compatible with ZAMBAK headsets which possesses ANR property

